

## Product datasheet for **MG219920**

### **Gpr135 (NM\_181752) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpr135 (NM_181752) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpr135
Synonyms:	PAFR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG219920 representing NM\_181752  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGGAGCAGGCGCGCCGCTGGCCGCCGCGAGTGCAACCTTGCAGGGTAGCGCGCATCCGG  
 GAGGGGCGGCTTCCACGGCCACTGCAGCCGCGCTGTCGTTTCAGCTCCGTAGCCACGGTAACGCTGGGAAA  
 CCAAAGCGATGCGGGCAGGCCGGAGGCAGCGGGGTCTCGGGACCCGCACCGCTGCTATGCCAGGGGCA  
 GCGGTGGCCGCCAGGCGCTCGTCTCTGCTCATCTTCTTGCTGTCTAGCCTGGGCAACTGCGCGGTGA  
 TGGGGGTGATCGTGAAGCATCGGCAGCTGCGCACGGTCACAAACGCCTTCATCTGTGCTGTCCCTGTC  
 GGACCTGCTCACTGCGTGTCTGCCTACCCGCCCTTCTCGATCTATTGCGCCTCCCGGAGACTCT  
 GGGCCCTGGCGCAGCTTTCGCGCAGCCAGCCGCTTCTTCAGTTCGTGTTTCGGAATCGTATCCACGTTCA  
 GCGTGGCGCTCATCTCGCTGGACCGCTACTGCGCCATCGTGGCCGCCCGGGACAAGCTGGGCCGGCG  
 GCGCGCTGCAGCTGCTGGCAGGAGCGTGGTTGGCTGCGCTGGGCTTCCCTGCCCTGGGACCTGCTC  
 AGGGCACCCCGGAGCCCCCGCTCCGCAGAGCTTCCACCGCTGCCTTTACAGAACCTCCCAGACCCTG  
 CGCAGCTGGGCGTGCCTACAGCGTGGGACTGGTGGTGGCTTGCTACTTGCTGCCCTTCTACTGATGTG  
 TTTCTGCCCTACCACATCTGCAAGACCGTGCCTGTGCGACGTGCGCGTGGCGCCGATGACCCTTAC  
 GCGCGCTGCTGCGCTTCTCAGCGAGGTGCGCACAGCCACCACCGTGTCTCATGATTATCTTTGTCA  
 TGTGCTGCTGGGGTCCCTACTGCTTCTGGTGTGCTGGCCGCGACCCGGCAGGGTACAGCCACGACGGC  
 TCCCTCGCTGCTCAATGTGGCGGCTGTTGGTGTACCTGGGCCAATGGGGCTATCAACCCGGTATATAT  
 GCCATCCGCAACCCCAACATTTCCATGCTCCTAGGACGCAACCCGGAAGAAGGTTACAGGACTAGAAACA  
 TGGATGCTTTTTTGCCTAGCCAAGGCTAGGTTTTCAAGCCAGAAGTCGCAATCGCCTTCGAAATGGCTG  
 TGCCAACAGGCTTGGGGCTTGCAGCAGGATGCCTTCTTCCAACCCAGCTAGTGGGTGAGGAGGGGAAGTG  
 GTCATGTGGGCTCGAAAAATCCAGTTGTGCTTCTTCCGAGAGGGTCCACCGACTCAGTTATGGAAG  
 TCGCAAACACTGCATAATTCTGAAACCAGGGACAGCAGCATT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG219920 representing NM\_181752  
 Red=Cloning site Green=Tags(s)

MEEQARPPGRPAASATLQGSAPGGAASTATAAALSFSSVATVTLGNQSDAGRPEAAGSRGPAPLLWHGA  
 AVAAQALVLLIFLLSSLGNCAVMGVIVKHRQLRTVTNAFILSLSLSDLLTALLCLPAFLDLFAPPGDS  
 GPWRSFCAASRFSSCFIVSTFSVALISLDRYCAIVRPPRDKLRRRALQLLAGAWLAALGFSLPWDL  
 RAPREPPAPQSFHRCLYRTSPDPAQLGVAYSVGLVVACYLLPFLLMCFCRYHICKTVRLSDVRVRPMTTY  
 ARVLRFFSEVRTATTVLIMIIFVMCCWGPYCFLVLLAATRQGQATQAPSLNVAAVWLTWANGAINPVIY  
 AIRNPNISMLLGRNREEGYRTRNMDAFLPSQGLGFQARSNRRLRNGCANRLGACSRMPSSNPASGSGGEV  
 VMWARKNPVVLFFREGPPDSVMEVGKLNHSETRDSII

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_181752.2</a></u>
<b>RefSeq Size:</b>	1374 bp
<b>RefSeq ORF:</b>	1374 bp
<b>Locus ID:</b>	238252
<b>UniProt ID:</b>	<u><a href="#">Q7TQP2</a></u>
<b>Cytogenetics:</b>	12 C3
<b>Gene Summary:</b>	Orphan receptor. Has spontaneous activity for beta-arrestin recruitment (By similarity). Shows a reciprocal regulatory interaction with the melatonin receptor MTNR1B most likely through receptor heteromerization (By similarity).[UniProtKB/Swiss-Prot Function]